Pleasantville Community Theatre Group Data Dictionary

Routine Reports:
- Play Listing - Identifies title, author,genre, and number of acts.
- Program
  - Cast and Credits - List the names of cast members, their roles, and/or production credit.
  - Sponsors - List of all corporations and/or individuals who donated money, goods, or services for each production.
- Report of Patrons - Internal report that lists mailing information for all patrons, as well as a list of the productions they bought tickets for in the past.
- Ticket Sales Report - Internal report that lists tickets, their price, seat number, and name of patron.
- Admission Ticket - The database should be able to print tickets when a patron orders them. The ticket will list the name of the plat, the date, time, price, and seat number.
- Member Dues Payment Report - A report for the treasurer that shows which members have paid dues and which members still owe them. Contact information for those who have not paid dues should be provided.
- Balance Sheet - An accounting report that contains the sum of income and expenses for the current fiscal year. Income is the sum of dues, sponsors, ticket sales, and any other sources. Expenses include any cost for productions, such as contractor's fees, equipment rental, auditorium rental, ect. This report should be accessible at any given time

- Ticket Sale Transaction - Interface that allows the users to request to see whether any given seat is available for the current production

Entities:
- theatreMember -
  - memberID: Unique String for each member
  - firstname : member first name
  - lastname : member last name
  - Emailaddress : member email address
  - paidDues : binary variable to check for dues payment
  - Telephonenumber : member phone number
  - Street : member's street name
  - houseNumber : member Address number
  - Apartment : member apartment string
  - City : members city of domicile
  - State : members state of domicile
  - Zip members zip code of domicile
- Officer -
  - memberID: Unique String for each member
  - Position : officer position held
- Production Crew Member:

- ○ memberID: Unique String for each member
- ○ firstname : member first name
- ○ lastname : member last name
- ○ Currentrole : Current role being performed
- ○ inProduction : binary variable to check for participation in current production

- ● Cast Member
  - ○ memberID: Unique String for each member
  - ○ firstname : member first name
  - ○ lastname : member last name
  - ○ Currentrole : Current role being performed
  - ○ inProduction : binary variable to check for participation in current production
- ● Sponsor
  - ○ sponsorID: Unique String for each sponsor
  - ○ Contactname: name used when contacting/listing sponsor
  - ○ Emailaddress : member email address
  - ○ Telephonenumber : member phone number
  - ○ Street : member's street name
  - ○ houseNumber : member Address number
  - ○ Apartment : member apartment string
  - ○ City : members city of domicile
  - ○ State : members state of domicile
  - ○ Zip members zip code of domicile
- ● Production- Play Id(key), showDate, producer, cast, crew, productionCost
  - ○ productionID : Unique Id string used for each production
  - ○ productionDate : date prodcution was last performed and/or scheduled to perform, null if production has never been performed or scheduled
  - ○ title : title of the production
  - ○ playwright : Author of the play
  - ○ numOfActs : number of acts in the play
  - ○ isCurrent : binary value to determine if this is the current play
  - ○ Genre : genre of production
- ● Contractor
  - ○ contractorID: Unique String for each sponsor
  - ○ Contactname: name used when contacting/listing contractor
  - ○ Emailaddress : member email address
  - ○ Telephonenumber : member phone number
  - ○ recentWork : Binary Value to assign work to current production
  - ○ lumpSum : amount charged
- ● Patron
  - ○ PatronID: Unique String for each Patron
  - ○ firstname : Patron first name
  - ○ lastname : Patron last name

- ○ Emailaddress : Patron email address
- ○ Telephonenumber : member phone number
- ○ Street : member's street name
- ○ houseNumber : member Address number
- ○ Apartment : member apartment string
- ○ City : members city of domicile
- ○ State : members state of domicile
- ○ Zip members zip code of domicile
- Ticket -
  - ○ ticketID : Unique string to identify any ticket
  - ○ productionID : Unique string to identify any production
  - ○ seatID : Unique string to identify any seat
  - ○ prodDate : date a given production was last performed
  - ○ patronID : patron who has purchased the ticket
  - ○ Price : price for ticket
- Seat -
  - ○ SeatID : Unique string to identify any seat
  - ○ Available : Binary used to identify which seats are available